

XISS ESSENCE 176+35(生物)

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출처 2021.수특영어.5강 4번

The causes and consequences of war may have more to do with pathology than with politics, more to do with irrational pressures of pride and pain than with rational calculations of advantage and profit. There is a Washington story, perhaps apocryphal, that the military intellectuals in the Pentagon conducted an experiment in which they fed data derived from the events of the summer of 1914 into a computer and that, after weighing and digesting the evidence, the machine assured its users that there was no danger of war. What this "proves," if anything, is that computers are more rational than men; it also suggests that if there is a root cause of human conflict and of the power drive of nations, it lies not in hopes of economic development, historical forces, or the workings of the balance of power, but in the ordinary hopes and fears of the human mind.

> * pathology: (사람의 행동에서) 병적 측면 ** apocryphal: 출처가 불분명한

출처 2021.수특영어.6강 3번

Genes give us the foundation of our models. Experiences give us individual identities. Behaviors express our individual needs, desires, urges, attitudes, beliefs, and so on. In this way, all behaviors are purposeful. It is our job as supportive adults to find a constructive purpose. This does not mean that we should view violent behavior as resourceful; rather, we can enlist the core of violent behavior as a positive resource (e.g., Violent behavior may exemplify an eagerness to take control, an ability to respond authoritatively, or a refusal to be victimized). Ask yourself in what context or situation the core of a particular behavior would signify value. For example, "Your refusal to be victimized will help you grow more tolerant with people as you mature." This comment orients the child toward a more fulfilling future because it validates the child's world view and enlists the core of the behavior as a positive resource.

* exemplify: 전형적으로 보여 주다 ** orient: 지향하게 하다

* 수능까지 '최소' 5번 🔲 🔲 🔲 🔲

* 수능까지 '최소' 5번 🔲 🔲 🔲 🔲

출처 2021.수특영어.10강 1번

Yale psychologist Irving Janis showed that just about every group develops an agreed-upon view of things — a consensus reality, the "PC" or politically correct view. Any evidence to the contrary is automatically rejected without consideration, often ridiculed, and may lead to exclusion of the person presenting the un-PC data. So group members are careful not to rock the boat by disagreeing with the consensus — doing so can seriously damage their standing. In his classic book, Groupthink, Janis explained how panels of experts made enormous mistakes. People on the panels, he said, worry about their personal relevance and effectiveness, and feel that if they deviate too far from the consensus, they will not be taken seriously. People compete for stature, and the ideas often just tag along. Groupthink causes groups to get locked into their course of action, unable to explore alternatives, because no one questions the established course. The more cohesive the group, the greater the urge of the group members to avoid creating any discord.

* stature: 위상, 지명도

출처 2021.수특영어.12강 8번

A well-functioning democracy requires a media system that provides diverse sources of information and encourages civic participation. The government once considered the airwaves such an integral part of our democracy that politicians decided the public should own and control them. It is time for the public to reclaim the responsibility of producing quality media from the corporate conglomerates. The first step is to break up the concentration of media power. Let's give control to a greater number of smaller companies that could legitimately compete with a broader range of information Also, we must create and maintain a noncommercial public media system as well as independent alternative media that exist outside the control of transnational corporations and advertisers. The rise of independent political blogs, and that of alternative podcasts, radio networks and television channels are all examples of citizens rising up to take back control of our media.

* airwaves: 방송 전파 ** conglomerate: 대기업

출처 2021.수특영어.13강 3번

When a painter is working for a patron, as Leonardo da Vinci did for the Medici, there can be emotional communication resulting from the artist's intention to produce something that the patron will appreciate and enjoy. Even Vincent van Gogh, who was isolated and sold few paintings in his life, cared about the reactions of his brother to the paintings that he produced. Some artists often take pains concerning the framing and presentation of their work for the benefit of the viewers of their art, such as when Mark Rothko was highly particular about the lighting of his paintings. So painting is a social process involving the communication of emotional judgments of the artist to the people who view it. Painters cannot expect viewers to appreciate their work with exactly the same perceptions and emotions that went into their creation, but they can hope to generate some approximation of these.

출처 2021.수특영어.14강 1번

A diverse garden will become a habitat for a variety of bird species. But if all the birds were to sing at the same time, each one's melody would be drowned out in the cacophony of voices. In order for each singer to be adequately appreciated by his rivals or his sweetheart, each species focuses on a specific time in the morning. Or rather, not a time, but a certain position of the sun. These are relative to sunrise, a precisely definable event. Unfortunately, it changes constantly, as throughout spring, the sunrise takes place a little earlier each day, until the summer solstice on June 21, when it starts getting later again. So, bird song is perhaps not ideal as a genuine replacement for your watch, although each species tends to observe its relative time slot, day by day, with astonishing accuracy.

* cacophony: 불협화음 ** summer solstice: 하지

* 수능까지 '최소' 5번 🔲 🔲 🔲 🔲

* 수능까지 '최소' 5번 🔲 🔲 🔲 🔲

출처 2021.수특영어.14강 2번

With reference to the variable of intensity, it is almost stating the obvious to say that bright lights or loud sounds can attract our attention. We have all been exposed to countless examples of commercial advertisements that seem to be based solely upon this premise. One unusual example of the use of intensity in advertising contexts is the practice of time-compressed speech in radio commercials. The experiment conducted by LaBarbera and MacLachlan exposed people to five radio commercials that were either normal or time-compressed on the order of 130%. These time-compressed commercials were not "sped up" by making the tape run faster; that would also increase the frequency of the auditory signal, and make the announcer sound like a high-pitched Mickey Mouse. Rather, the timecompression technique involves the shortening of pauses between words, and the reduction of the length of vowel sounds. This results in a message that runs more quickly, without changing the pitch of the announcer's voice. These researchers found that the time-compressed advertisements elicited more interest and better recall than the normal ads.

* premise: 전제 ** elicit: 끌어내다

출처 2021.수특영어.14강 4번

Glass affords transparency. At the same time, its physical structure blocks the passage of most physical objects. As a result, glass affords seeing through, but not the passage of air or most physical objects (atomic particles can pass through glass). The blockage of passage can be considered an anti-affordance — the prevention of interaction. To be effective, affordances and anti-affordances have to be discoverable — perceivable. This poses a difficulty with glass. The reason we like glass is its relative invisibility, but this aspect, so useful in the normal window, also hides its anti-affordance property of blocking passage. As a result, birds often try to fly through windows. And every year, numerous people injure themselves when they walk (or run) through closed glass doors or large picture windows. If an affordance or anti-affordance cannot be perceived, some means of signaling its presence is required.

> * transparency: 투명(성) ** affordance: 행동 유도성(특정 행위를 하게 하는 사물의 특성) *** picture window: 전망창

출처 2021.수특영어14강 6번

Ritualistic behaviour designed to influence future events is not, it seems, limited to humans. B. F. Skinner's classic research into 'superstition in the pigeon', conducted at Indiana University in 1948, supports this hypothesis. Skinner described an experiment in which pigeons were placed inside a box and were presented with a small piece of food once every fifteen seconds, regardless of their behavior. After a few minutes the birds developed various little unusual rituals, such as walking round in circles, moving their heads up and down and so on. The pigeons appeared to have concluded that their little routines were causing the release of the food even though in reality there was no relationship whatsoever. Skinner's explanation for this phenomenon was that the accidental pairing of the release of food early on in the process with whatever the bird happened to be doing was enough to reinforce that particular type of activity.

출처 2021.수특영어.14강 7번

Within the domain of concrete entities, objects and substances have very different properties. Objects are individuated, whereas substances are nonindividuated. Thus, the two kinds of entities have fundamentally different criteria for the notion of identity or sameness. When we say that two objects are *identical* or the same, we are referring to two objects in their entirety and not to two distinctive parts of a single object. In contrast, when we say that two substances are identical or the same, there is no notion of wholeness. Substances are of scattered existence, and there is no such thing as whole sand, whole water, or whole clay. This portion of sand is identical to that portion of sand, as long as the two portions consist of the same physical constituents. This difference in identity or sameness between objects and substances leads to fundamentally different extension principles for determining category membership across the two ontological kinds.

> * individuate: 개별화하다 ** constituent: 성분, 구성 요소 *** ontological: 존재론상의

* 수능까지 '최소' 5번

출처 2021.수특영어.14강 8번

Although the efforts to revive dying languages are admirable, the challenges facing those who would reverse the extinction process are intimidating. Not all of the extinctions are the direct result of hostility and repression from a dominant government, as was the case with American Indians throughout most of U.S. history. But where brutal repression failed to make indigenous languages and culture extinct, intense globalization since the 1980s has been more successful. The recent revolution in communications technology has provided powerful tools (through the airwaves and cyberspace) for the spread of mainstream Western culture and language. Yet, for some endangered languages, the tide is changing through the digital revolution. As Rosenberg points out, digital technology, discussion groups, software companies, and apps are lifelines for language preservation for minority and endangered language communication needs. At one time technology forced some language speakers to adopt the dominant language of their community or nation. Now, new tools create the possibility for revitalizing languages and retaining language speakers of endangered languages.

* intimidating: 위협적인, 겁을 주는 ** repression: 억압, 탄압 *** indigenous: 고유한, 토착의

* 수능까지 '최소' 5번

출처 2021.수특영어.15강 2번

David Rock, author of Your Brain at Work, has described in fascinating detail the intricate mechanics of the brain on creativity and stress. We know, for example, that selfdescribed happy people have more new ideas. We now know that stress decreases our cognitive resources, whereas mindfulness induces what is called a toward state in the brain, an openness to possibilities. In this condition, we feel curious, open-minded, and interested in what we are doing — all excellent qualities for thriving on the job. Neuroscience tells us that creativity and engagement are essential to making people happier. But the technological onslaught of today's world can also become highly stressful. Long hours, hard work, and high pressure are made worse by our being permanently plugged in. Though the introduction of laptop computers, high-speed Internet, mobile technology, and social media have wonderful advantages in how we connect, they also reinforce behaviors that shut down the toward state and set us on autopilot.

* intricate: 복잡한 ** onslaught: 맹공격